

FIG. 2

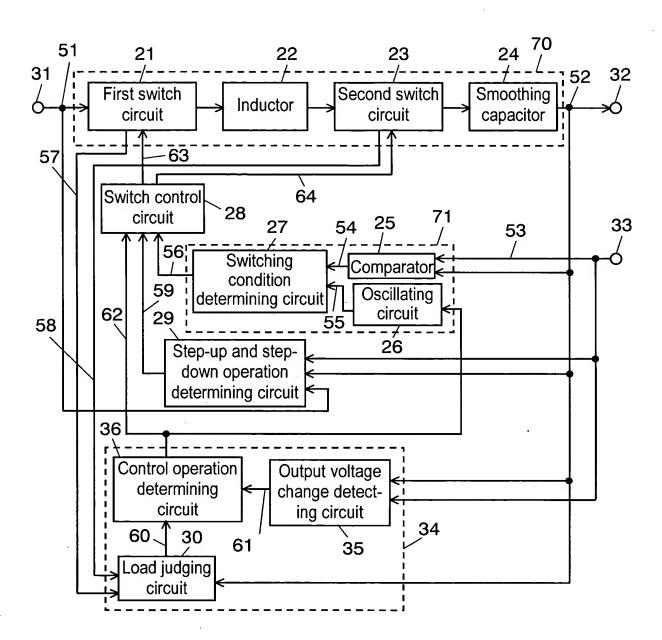


FIG. 3A

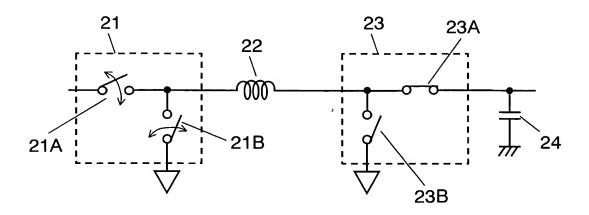


FIG. 3B

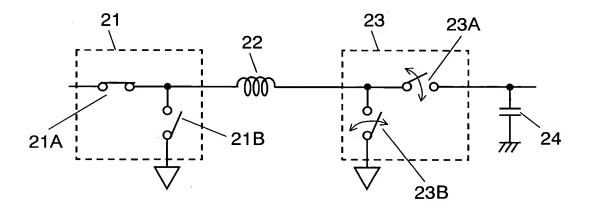


FIG. 4A

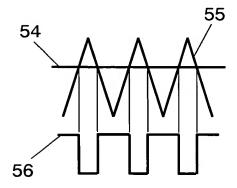
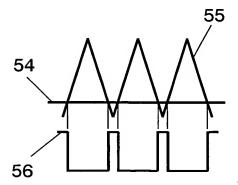


FIG. 4B



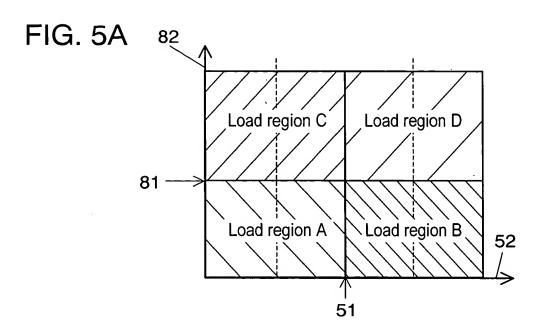
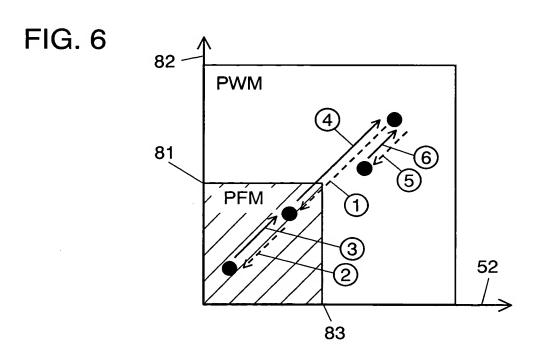


FIG. 5B		59 /	62
		First control operation determination signal	Second control operation determination signal
	Load region A	Step-down operation	PFM operation
	Load region B	Step-up operation	
	Load region C	Step-down operation	PWM operation
	Load region D	Step-up operation	



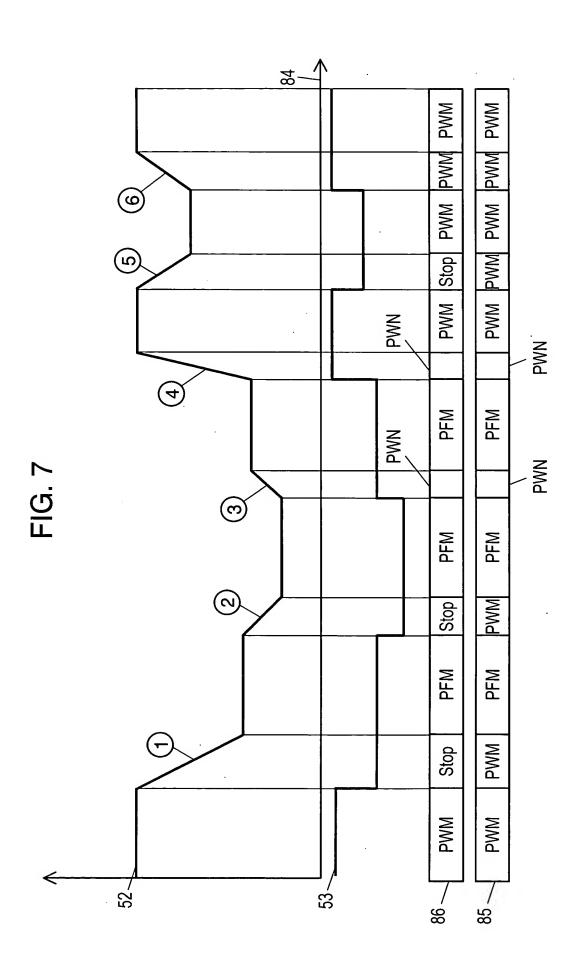


FIG. 8

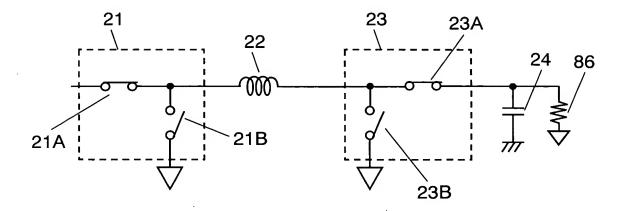
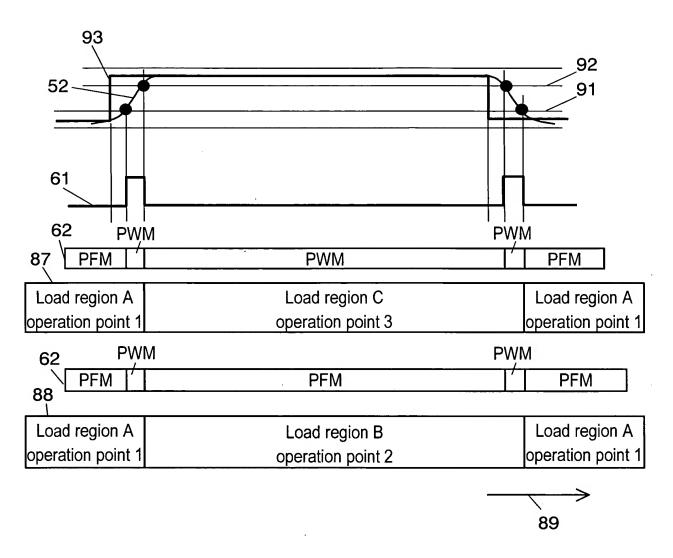


FIG. 9



Control operation determination signal 2

	No output voltage change	With output voltage change
Light load (load region A, B)	PFM	PWM
Heavy load (load region C, D)	PWM	PWM

FIG. 10

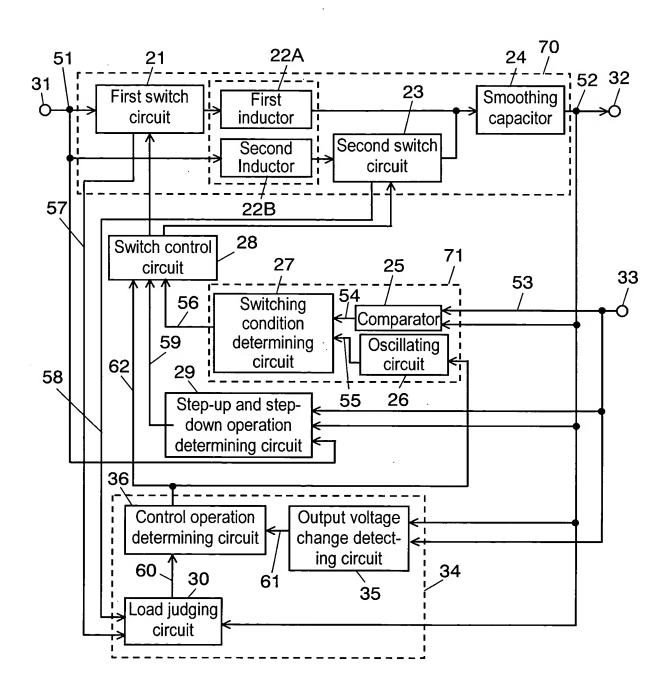


FIG. 11 PRIOR ART

